

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	6	"541665".ap.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/05 12:49

## EAST Search History

S2	200	("4364048" "4947171" "5734674" "4628529" "4630305" "5909178" "6177906" "4587560" "4589137" "4768203" "5247470" "5647366" "5684482" "5821807" "4358797" "4374396" "4388638" "4401987" "4463381" "4499605" "4780885" "4791390" "4813031" "5012519" "5185657" "5202924" "5209237" "5218418" "5266908" "5448531" "5474078" "5557426" "5614803" "5687724" "5692102" "5697083" "5697367" "5802446" "5812678" "5812673" "5892477" "6115409" "4283767" "4283692" "4301523" "4317210" "4322857" "4354277" "4385634" "4389536" "4399474" "4401853" "4412341" "4434405" "4446484" "4485483" "4504863" "4528678" "4549212" "4563637" "4573169" "4602380" H000108 "4628517" "4850021" "4868572" "4868890" "4893347" "4893349" "4907087" "4907857" "4910515" "4912767" "4913146" "4939791" "4941052" "4956644" "4965854" "4972436" "4974602" "5184076" "5188112" "5199050" "5210771" "5243344" "5247308" "5285498" "5289544" "5311013" "5343404" "5363403" "5386372" "5388465" "5388828" "5389979" "5394155" "5404142" "5428463" "5430378" "5451949" "5467145" "5473684" "5493297" "5499057" "5521851" "5524057" "5544250" "5553062" "5598098" "5606375" "5619998" "5627938" "5666429" "5706392" "5715015" "5719852" "5793512" "5812250" "5827195" "5854812" "5864313" "5907798" "5909645" "5955993" "6014373" "6056695" "6151368" "6173187" "6230123" "4245348" "4252995" "4255769" "4274747" "4290090" "4306512" "4309649" "4315319" "4317958" "4331958" "4332032" "4344043" "4344158" "4345281" "4351062" "4352182" "4352191" "4366469" "4381488" "4388726" "4405900" "4409983" "4411019" "4412340" "4445053" "4447742" "4448202" "4450564" "4459552" "4461025" "4462109" "4463452" "4485363" "4486850" "4500842" "4503461" "4532639" "4532549" "4539710" "4553157" "4561089" "4562475" "4567588" "4571750" "4575834" "4580168" "4581750" "4581856"	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 12:57
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## EAST Search History

S3	124	(antenna with array) same (modulat\$4 with cycle)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 13:06
S4	1	(antenna with array) same (modulat\$4 with cycle) same sum\$4 same correlat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 12:59
S5	124	(antenna with array) same (modulat\$4 with cycle)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 14:36
S6	25616	sum\$4 same correlat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 16:45
S7	3	S5 and S6	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 13:00
S8	32	pritchard-john\$.in.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 13:02
S9	39	pritchard-john\$.in.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 13:03
S10	16	gardner-andrew\$.in.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 13:05
S11	997	(secretary adj2 state adj2 defence). as.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 13:06
S12	25192	(antenna with array)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 15:09
S13	34	S11 and S12	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 13:06
S14	3	("4189733"   "4217587"   "4720712").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/05 13:07
S15	6	("5543806").URPN.	USPAT	OR	OFF	2007/09/05 13:29
S16	13514	(narrow adj bandwidth)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 13:30
S17	285911	modulat\$4 and phase and direct\$4	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 13:30
S18	5112	S16 and S17	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 14:36

## EAST Search History

S19	403	S6 and S18	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 16:47
S20	57	S12 and S19	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 13:42
S21	230	342/418.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 13:42
S22	1	("2002/0190902").URPN.	USPAT	OR	OFF	2007/09/05 13:43
S23	5	("3903522"   "5317323"   "5327143"   "5371506"   "6188913").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/05 13:54
S24	769	S12 and S16	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/05 13:54
S25	263	S12 and S16 and correlat\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/05 13:54
S26	5	("4313116"   "4651155"   "4734701"   "4771289"   "4780721").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/05 14:03
S27	1092	S6 and S12	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 14:37
S28	67	S6 and S12 and (narrow adj bandwidth)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 14:37
S29	7	("4392232"   "4445118"   "4457006"   "4494238"   "4575861"   "4665404"   "4701934").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/05 14:41
S30	6177	(antenna with array) and correlat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 15:10
S31	157	(antenna with array) same correlat\$4 same sum\$4	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 15:21
S32	55	(antenna with array) same correlat\$4 same sum\$4 same frequency	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 15:10
S33	32	("5493307").URPN.	USPAT	OR	OFF	2007/09/05 15:14
S34	3	("4516126"   "4586045"   "4771289").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/05 15:19
S35	5761	(antenna with array) and correlat\$4 and sum\$4	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 15:22

## EAST Search History

S36	256	(antenna with array) and correlat\$4 and sum\$4 and (narrow adj bandwidth)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 15:33
S37	2045	342/368,371-372,375.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 15:33
S38	58	S37 and S6	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 15:40
S39	25616	correlat\$4 same sum\$4	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 15:40
S40	13514	(narrow adj bandwidth)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 15:40
S41	538	S39 and S40	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 15:41
S42	502	S39 and S40 and filter	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 15:41
S43	303	S39 and S40 and filter and mix\$3	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 15:41
S44	301	S39 and S40 and filter and mix\$3 and frequency	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 15:58
S45	3505	correlat\$4 and uncorrelat\$4 and sum\$4 and array	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 16:05
S46	105	S40 and S45	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 15:58
S47	2	("3631503"   "4277787").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/05 16:03
S48	22	("4652879").URPN.	USPAT	OR	OFF	2007/09/05 16:03
S49	20	correlat\$4 and uncorrelat\$4 and sum\$4 and array and ((radio adj direction adj finding) or RDF)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 16:06
S50	0	("2006/0194544").URPN.	USPAT	OR	OFF	2007/09/05 16:15
S51	60193	(mix\$3 with frequency)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 16:15
S52	2236	S40 and S51	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 16:15

## EAST Search History

S53	101	S40 and S51 and uncorrelat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 16:15
S54	2	("4419770"   "4713808").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/05 16:20
S55	6	("2979611"   "3122704"   "3209271").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/05 16:21
S56	5	("4675613").URPN.	USPAT	OR	OFF	2007/09/05 16:35
S57	4678	(radio adj direction adj find\$3) or RDF	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 16:37
S58	6706	(directional adj2 arrival) or DOA	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 16:36
S59	3	S57 same S58	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 16:36
S60	15	S57 and S58	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 16:36
S61	48	S57 and S6	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 16:37
S62	12	("5434578"   "5471647"   "5546090"   "5563610"   "5592490"   "5604732"   "5634199"   "5642353"   "5828658"   "5848060"   "5886988"   "5905721").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/05 16:40
S63	13	("3175216"   "4017867"   "4119972"   "4123759"   "4217586"   "4577193"   "4651155"   "4654667"   "4717919"   "4736460"   "4771289"   "5166693").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/05 16:41
S64	389267	sum\$4 and correlat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 16:46
S65	768	S57 and S64	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 16:48
S66	22	S57 and S64 and uncorrelat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 16:46
S67	392	S6 and S18 and filter	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 16:48

## EAST Search History

S68	392	S6 and S18 and filter and (narrow adj bandwidth)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 16:48
S69	392	S6 and S18 and filter and (narrow adj bandwidth) and modulat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 16:49
S70	1	S6 and S18 and filter and (narrow adj bandwidth) and modulat\$4 and S57	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 16:50
S71	42	S6 and S18 and filter and (narrow adj bandwidth) and modulat\$4 and (radio adj signal)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 16:51
S72	392	S6 and S18 and filter and (narrow adj bandwidth) and modulat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 19:06
S73	6999	370/342,441,479,310,329.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 19:07
S74	25616	sum\$4 same correlat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 19:07
S75	489	S73 and S74	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 19:07
S76	43	S73 and S74 and (antenna adj array)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 19:11
S77	2232	375/200,208,267,347,209,210.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 19:12
S78	205	S77 and S74	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 19:14
S79	6	("6493379").URPN.	USPAT	OR	OFF	2007/09/05 19:24
S80	4230	455/501,42,506,13.3,62,63,561,562,509,550.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 19:25
S81	106	S80 and S74	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 19:29
S82	228	342/383.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 19:33
S83	1835	(adaptive adj antenna)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 19:33

## EAST Search History

S84	214	S83 and S74	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/05 19:33
S85	17	("20030162566"   "20040071104"   "4736460"   "4797950"   "5819168"   "5887038"   "6049705"   "6115762"   "6161001"   "6385185"   "6546043"   "6549585"   "6574270"   "6580705"   "6680699"   "6914539"   "6990137").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/09/05 19:37
S86	1	("6108565").PN.	USPAT; USOCR	OR	OFF	2007/09/06 09:48
S87	1	("5309474").PN.	USPAT; USOCR	OR	OFF	2007/09/06 10:09
S88	1656	(determin\$4 adj frequency) same sum\$5	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/06 10:13
S89	5614	(mix\$3 adj frequency)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/06 10:13
S90	12	S88 same S89	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/06 10:14
S91	53	S88 and S89	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/06 11:02
S92	7742	mix\$3 with receiv\$3 with ((intermediate adj frequency) or IF)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/06 11:03
S93	607	mix\$3 with receiv\$3 with ((intermediate adj frequency) or IF) and (array with antenna)	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/06 11:04
S94	5	mix\$3 with receiv\$3 with ((intermediate adj frequency) or IF) same (array with antenna) same correlat\$4	US-PGPUB; USPAT; USOCR	OR	ON	2007/09/06 11:04
S95	3	("3309706").URPN.	USPAT	OR	OFF	2007/09/06 11:06